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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/618,498	07/11/2003	Rich Huang	252011-1520	5392	
47390 75	90 11/16/2004		EXAM	INER	
THOMAS, KAYDEN, HOSTEMEYER & RISLEY LLP 100 GALLERIA PARKWAY SUITE 1750 ATLANTA, GA 30339			ADAMS, GR	ADAMS, GREGORY W	
			ART UNIT	PAPER NUMBER	
			3652		
			DATE MAILED: 11/16/2004	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/618,498	HUANG ET AL.				
Office Action Summary	Examiner	Art Unit				
	Gregory W. Adams	3652				
- The MAILING DATE of this communication app		•				
Period for Reply	• .					
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timy within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	Responsive to communication(s) filed on					
2a) ☐ This action is FINAL . 2b) ☑ This						
3) Since this application is in condition for allowar	<u></u>					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims		,				
4)⊠ Claim(s) <u>1-22</u> is/are pending in the application.						
	4a) Of the above claim(s) 7-9,11,12,16-18,20-21 is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-6,10,13-15,19 and 22</u> is/are rejected	Claim(s) <u>1-6,10,13-15,19 and 22</u> is/are rejected.					
7) Claim(s) is/are objected to.	Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct		• •				
11) ☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119		,				
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:		-(d) or (f).				
1. Certified copies of the priority documents						
2. Certified copies of the priority documents	• •					
3. Copies of the certified copies of the prior		d in this National Stage				
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
and the attached detailed office action for a list	or the serance copies not receive	u.				
AMoshus as Ma						
Attachment(s) 1) Notice of References Cited (PTO-892)	A) D Intoniano Comercia	(DTO 442)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:						
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DETAILED ACTION

Election/Restrictions

1. This application contains now cancelled claims directed to the following patentably distinct species of the claimed invention:

Species 1: "Roller" referenced in claims 7, 16 as shown in FIG. 5A

Species 2: "Gear Wheel" referenced in claims 8,17 not shown

Species 3: "Timing Belt" referenced in claims 10,19 as shown in FIG. 5B

Species 4: "Chain" referenced in claims 9,18 not shown

Species 5: "Curtain Slat" referenced in claims 11,20 as shown in FIG. 5C

Species 6: "Wire" referenced in claims 12,21 not shown

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claims 1 and 4, and 13 are generic.

2. During a telephone conversation with attorney of record Dan McClure, (770) 933-9500, on November 10, 2004 a provisional election was made without traverse to prosecute the invention of embodiment 5B, the "timing belt", claims 1,4,10 and 13,19. Affirmation of this election must be made by applicant in replying to this Office action. Claims 7-9, 11-12, 16-18 and 20-21 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Information Disclosure Statement

 The listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609 A(1) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Referring to page 2, line 18, applicant discloses US 6,092,678 to Kawano et al. Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-6,10,13-15,19,22 are rejected under 35 U.S.C. 102(b) as being anticipated by Bonora et al. (US 6,481,558).

With respect to claim 1, referring to FIGS. 5-10 Bonora et al. disclose a load port transfer device 10 for delivering a wafer carrier 12 along an overhead conveying system 14 including a load port 120, path 72, vertical component 72, horizontal component 64, robot 60, which moves on the path between the load port 120 and the conveyor 14. See also col. 4, ln. 38-40. It is noted that bottom portion of vertical component 72 extends from the load port 120 at the point the wafer carrier 12 is moved from or returned to the conveyor 14.

With respect to claim 2, referring to FIG. 9 Bonora et al. disclose an L-shaped path as completed by horizontal component 64 and vertical component 72.

With respect to claim 3, referring to FIG. 4 Bonora et al. disclose that horizontal component 64 is above the conveyor 14.

With respect to claim 4, referring to FIG. 5-10 Bonora et al. disclose a robot 60 with a moving mechanism 78 in path 72 and a holding mechanism 64 to hold wafer carrier in horizontal position. See also col. 7, In. 54-55.

With respect to claim 5, referring to FIG. 5-10 Bonora et al. disclose a holding mechanism 64 with a first end 65 which connects to wafer carrier 12, and a second end which connects to the moving mechanism. Col. 7, In. 54-55.

With respect to claim 6, referring to FIG. 10 Bonora et al. disclose a first end 65 having a gripper to grasp the wafer carrier. Col. 9, In. 4-5.

With respect to claim 10, referring to FIG. 9 Bonora et al. disclose a moving mechanism 78 having a timing belt 86,94.

4. With respect to claim 13, referring to FIGS. 5-10 Bonora et al. disclose a load port transfer device 10 for delivering a wafer carrier 12 to a conveyor 14 including a load port 120, path 72, vertical component 72, horizontal component 64, robot 60, moving mechanism 78, holding mechanism 64, first end 65 to hold wafer carrier 12, and second end on the moving mechanism 78. See also col. 7, lns. 54-55. In addition, the vertical component 72 is beside conveyor 14 and the bottom portion extends from the load port 120.

With respect to claim 14, referring to FIG. 10 Bonora et al. disclose an L-shaped path 72.

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With respect to claim 15, referring to FIGS. 5-10 Bonora et al. disclose a first end 65 shaped like a gripper. Col. 7, Ins. 54-55.

With respect to claim 19, referring to FIGS. 5-10 Bonora et al. disclose a moving mechanism 78 having a timing belt 86,94.

5. With respect to claim 22, referring to FIGS. 5-10 Bonora et al. disclose an intrabay delivery system 10 having a wafer carrier12, load port 120, conveyor 14, rail 72, vertical component 72, horizontal component 64, roller 82, robot 60, holding mechanism 64, flanged 65, and a second end on the moving mechanism 78.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US 5,382,127 to Garric et al.	US 4,778,331 Kimata et al.
US 6,612,797 to Bonora et al.	US 6,283,692 to Perlov et al.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory W. Adams whose telephone number is (703) 305-0555. The examiner can normally be reached on M-F, 8:30am-5pm.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory W. Adams whose telephone number is (703) 305-0555. The examiner can normally be reached on M-F, 8:30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen D. Lillis can be reached on (703) 308-3248. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

GWA

EILEEN D. LILLIS SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 3600